Michael Long

mjlong2@buffalo.edu - (716)994-0867 - mjlong2.github.io

EDUCATION

University at Buffalo (SUNY), Buffalo, NY **8/2016 - 5/2020**

UC Berkeley **6/2019 - 8/2019**

BS Computer Science - Data Intensive Computing Program

Biostatistics Minor

GPA 3.7/4.0

EXPERIENCE

Algorithmic Trading Intern at Quantbridge Capital, (Remote) Sacramento CA **5/2018 – 8/2018**

•Implemented high frequency trading algorithms via Quantopian/QuantConnect platforms in python

Web Development Intern at Kangarootime, Buffalo NY **5/2018 – 8/2018**

•Developed a web-based application with ReactJS, NodeJS and ExpressJS

Teaching Assistant - CSE 487 Data Intensive Computing, Buffalo NY **1/2020 – 5/2020**

•Assisted students with projects using technologies such as R, Python, Hadoop/HDFS and Spark

•Assisted Professor with recitations, office hours, grading, and answering questions and concerns

Teaching Assistant - CSE 426 Blockchain Application Development, Buffalo NY **1/2019 – 12/2019**

•Assisted students with projects in web development and Ethereum smart-contract design

•Assisted Professor with recitations, office hours, grading, and answering questions and concerns

Software Engineering Intern (DevOps) at Stark And Wayne LLC, Buffalo NY **1/2020 – 5/2020**

•Developed internal tools for Kubernetes and Cloud Foundry (In Progress)

PERSONAL PROJECTS

Buffalo Open Data Challenge **Spring 2018**

•Created a tool for visualizing crimes in Buffalo area utilizing R, GGMaps, and the Google Maps API for the Buffalo Open Data Challenge

Spark ML News Classification Pipeline **Spring 2018**

•Worked with SparkML to create a news classification pipeline gathering data from NYT/WashingtonPost, then training via NaiveBayes/LogisticRegression libraries. Used validation set to verify proper classification.

TECHNICAL SKILLS

Data Science:

R • Python (Numpy, Sklearn, Pandas, Matplotlib) • Tensorflow • Hadoop/HDFS • Spark (MLLib)

Programming Technologies:

Python • C++ • Java • SQL • NoSQL (MongoDB) • Javascript • HTML/CSS • ReactJS w/ NodeJS + ExpressJS